

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **2002073003 A**

(43) Date of publication of application: **12.03.02**

(51) Int. Cl

G09G 5/36
G06T 17/40
// H04N 13/04

(21) Application number: **2000257739**

(22) Date of filing: **28.08.00**

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(54) **STEREOSCOPIC IMAGE FORMING DEVICE AND INFORMATION STORAGE MEDIUM**

the visual points and the object.

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(57) Abstract:

PROBLEM TO BE SOLVED: To rationally generate n images in an object space for displaying them on an stereoscopic video display device of a type having n pieces of eye by shortening the treatment of equivalent calculation, access to the same memory or the like.

SOLUTION: A value of binocular suggestion which materializes a stereoscopic vision is roughly calculated from the pupillary distance of a human eye and the depth of an object subject to observation. Besides, a deviation in the horizontal direction of the object generated when a video recognized by the right and left eyes is projected on a screen can be calculated from this binocular parallax and the distance between the right and left eyes and the screen. These matters are used for the purpose of firstly setting a tentative visual point in the object space, and generating image data based on this tentative visual point (a). Then, image data for left eye (b) and image data for right eye (c) are generated by shifting the plane data of each object according to the depth of the distance between

